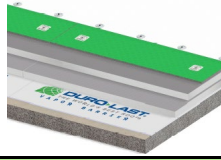




**Duro-Last® PVC Membranes
Mechanically Fastened Over Structural
or Lightweight Structural Concrete**

Warranty Term
15, 20, 25, and 30 Years
Up to 54 mph (86.9 km/h)



- Duro-Last® PVC membranes – mechanically fastened
- Cover board (when required) – mechanically fastened
- Insulation (when required) – mechanically fastened
- Structural or lightweight structural concrete 2,500 psi (17.2 MPa)

Refer to the Duro-Last Specifications, Guides, and Details at www.duro-last.com

All Products	Must be purchased or approved by Duro-Last.		
Deck Requirements	o Structural concrete	o Lightweight structural concrete	
Construction Types	Any wet or damaged materials must be removed prior to installation.		
	o New Construction	o Re-cover	o Partial Tear-off o Complete Tear-off
Vapor Barriers	Consult with a design professional to determine vapor barrier requirements.		
	o Duro-Last Vapor Barrier	o Duro-Last Torch-Down Vapor Barrier	Duro-Blue® with taped seams
Warranty Term by Membrane Thickness	o 15-year warranty – 40 mil (1.02 mm) o 20-year warranty – 50 mil (1.27 mm) o 25-year warranty – 60 mil (1.52 mm) o 30-year warranty – 80 mil (2.03 mm) 25- and 30-year warranties require only metal plates.		
Membrane Options	o Duro-Last 40, 50, 60 mil	o Duro-Last X™ 50, 60, 80 mil	
	o Duro-Tuff® 50, 60, 80 mil	o Duro-Last EV 50, 60, 80 mil	
Membrane, Insulation, and Cover Board Fasteners	Minimum 1-inch (25-mm) penetration and pre-drilled 1/2 inch (13 mm) deeper than required depth. Do not spall the concrete.		
	o Concrete Nail #14	o Concrete Screw #14	o HD Screw #14 o EHD Screw #15
Membrane Plates	o Cleat Plates®	o Poly-Plates (not recommended over hard boards)	
	New concrete requires only metal plates.		o Induction weld plates
Cover Board Plates	o 3-Inch Metal Plates	o Cleat Plates	o Poly-Plates (not recommended) o Induction weld plates
	New concrete requires only metal plates.		
Insulation Plates	o Insulation Plates	o 3-Inch Metal Plates	o Cleat Plates o Poly-Plates o Induction weld plates
	New concrete requires only metal plates.		
Seaming Requirement	1-1/2-inch (40-mm) continuous weld using a hand-held welder with a silicone roller or an automatic welder.		
Increased Wind Speed	Must be reviewed by the Duro-Last Engineering Services Department.		
	o Wind speed coverage exceeding 54 mph (86.9 km/h)		
Code Requirements	Local code must be met. Some code agencies may require special design considerations. Contact the Duro-Last Engineering Services Department for assistance.		
Fire ratings	Fire ratings may require certain slip sheets, insulations, or gypsum-based cover boards.		
Approved Slip Sheets	o Duro-Blue	o Duro-Weave®	o Geotextile o Ballast Mat
	o FR-10	o VersaShield®	
Minimum Thickness	Substrate Material		Minimum Fasteners Per 4 x 8 ft (1.2 x 2.4 m)
Inches	mm		
1	25	Duro-Guard® ISO II or ISO III	5
1/2	13	Duro-Guard ISO HD	5
2	51	Duro-Guard ISO HD Composite	5
1/4	6	Duro-Guard DEXcell® Glass Mat	4
7/8	22	Duro-Guard DEXcell Cement	4
1/4	6	Duro-Guard DensDeck®	4
1/4	6	Duro-Guard Securock® Glass-Mat	4
3/8	10	Duro-Guard fan folds	16 per bundle – ≤5 ft (1.5 m) laps 28 per bundle – >5 ft (1.5 m) laps

NOTE: Buildings over 40 ft (12.2 m) tall or in high wind zones may require additional fastening. Request a Wind Calc from Engineering to confirm attachment patterns.

DISCLAIMER

This document is meant as a quick reference and may not include details necessary for project completion. Refer to the full Duro-Last specifications or contact the Duro-Last Engineering Services Department for additional details.